

Abstract of the Disclosure

The invention relates to a process for producing a shaped body by selective laser melting, in which a shaped body is built up from pulverulent metallic material using CAD data of a model, in which a powder layer is applied using an applicator unit, and in which the applied powder layer is fixed to a layer below it using a focused laser beam, in which process the powder layer is levelled to a desired layer thickness as a result of a levelling device passing over the shaped body at least once, and during the levelling elevations that project above the desired layer height of the applied powder, of the layer which was last melted by the laser beam are uncovered by the levelling device.